

Application No. 10/577,892
AMENDMENT dated May 6, 2008
Reply To Office Action dated December 6, 2007

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims

1. (Currently Amended) An automatic Automatic dosage unit for dosage of dispensing a particulate product into a collection unit, wherein the dosage unit comprises a grinder effective for grinding a product into a particulate product and an identification device configured to identify the size of the collection unit and dispense the particulate product based on the size of the collection unit identified, wherein the identification device comprises a fastener which fastens the collection unit to the dosage unit during dispensing of the particulate product, which is arranged to identify the size of the collection unit and on the basis of this size dose a predetermined amount of the product, and the grinder comprises a set of conic knives including a funnel-shaped outer conic knife and an inner cone-shaped inner conic knife.
2. (Currently amended) The automatic Automatic dosage unit according to claim 1, wherein the identification device unit further comprises a control unit[[],] to control the dosage volume of the product dispensed in relation to the size of the collection unit.
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit further comprises a storage unit for storage of the [[a]] product.

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6. (Cancelled)

7. (Currently Amended) The automatic Automatic dosage unit according to claim [[6]]1, wherein the outer conic knife is arranged to rotate around the inner knife.

8. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein there is a play between the inner knife and the outer knife, said the play facilitating the product moving down through the set of conic knives and out into the collection unit during the preparation of the product.

9. (Currently Amended) The automatic Automatic dosage unit according to claim 8, wherein the dosage unit further comprises an adjustment device means is arranged to adjust the degree of preparation of the product, that is, adjust the play between the knives.

10. (Currently Amended) The automatic Automatic dosage unit according to claim 1 [[6]], wherein the dosage unit further comprises a driving device is arranged to drive the grinder grinding device.

11. (Currently Amended) The automatic Automatic dosage unit according to claim 10, wherein the dosage unit further comprises a control unit [[is]] arranged in connection with the driving device so that the speed of rotation can be changed and thereby the time of preparation of the product.

12. (Currently Amended) The automatic Automatic dosage unit according to claim 5, wherein the storage unit is installed and uninstalled on the dosage unit itself by a rotary motion.

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13. (Currently Amended) The automatic Automatic dosage unit according to claim 5, wherein the dosage unit further comprises a locking device ~~is arranged~~ configured to lock the storage unit on the dosage unit.

14. (Currently Amended) The automatic Automatic dosage unit according to claim 12, wherein the dosage unit further comprises a closing device [[is]] located ~~placed~~ between the storage unit and an inlet to the set of conic knives.

15. (Currently Amended) The automatic Automatic dosage unit according to claim 14, wherein the closing device is an integral part of the storage unit.

16. (Currently Amended) The automatic Automatic dosage unit according to claims 5 ~~and or~~ 9, wherein the dosage unit further comprises a safety device [[is]] arranged to prevent movement of the driving device in the event the storage unit is removed from the dosage unit.

17. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the identification of the size of the collection unit is provided by ~~means at least one device selected from the group consisting of~~ a strain gauge, micro switch, optical sensor, weighing cell, photo identification, and telemeter or similar.

18. (Currently Amended) The automatic Automatic dosage unit according to claim 14, wherein the closing device comprises at least one opening and at least one blocking device, wherein the blocking device is configured to vary the size of the opening so that the closing device can ~~close dispense~~ different amounts of the particulate product ~~by varying the size of the opening by means of the blocking device~~.

19. (Currently Amended) The automatic Automatic dosage unit according to claim 18, wherein the blocking device is arranged to hermetically block the opening of the closing device.

20. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit further comprises means for suppressing vibration a vibration suppressor.

21. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit further comprises a guiding device, such as a funnel, is arranged to lead the particulate product to the collection unit.

22. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit is provided with anti-static effect in a way that the particulate product in the main can be dosed dispensed without sticking to the unit.

23. (Currently Amended) The automatic Automatic dosage unit according to claim 22, wherein the anti-static effect is provided in the design of an outlet from the knives and the funnel guiding device so that the particulate product is ensured a flow, whereby the particulate product is discharged on the way to the collection unit.

24. (Currently Amended) The automatic Automatic dosage unit according to claim 22, wherein the anti-static effect is provided by a surface treatment of surfaces of the dosage unit the areas, with which the particulate product is in contact during dispensing.

25. (Currently Amended) The automatic Automatic dosage unit according to claim 24, wherein the treatment of surfaces comprise polishing, eloxation or application of a coating.

26. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit further comprises a positioning device [[is]] arranged to ensure that the collection unit is placed in a predetermined position, in which position the prepared product is dosed for dispensing the particulate product.

27. (Currently Amended) The automatic Automatic dosage unit according to claim 1, wherein the dosage unit further comprises a memory unit is arranged configured to store information for identification of different sizes of collection units and amounts of product dispensed. to store information concerning the operation of the dosage unit.

28. (Cancelled)

29. (Currently Amended) A method for preparing and dosing coffee beans, the method comprising utilizing the Use of an automatic dosage unit according to claim 1, for preparation and dosage of coffee beans.

30. (Currently Amended) Antomatic The automatic dosage unit according to claim 10, where [[a]] the driving device is arranged to drive the outer knife.

31. (New) An automatic dosage unit for dispensing a particulate product into a collection unit, wherein the dosage unit comprises a storage unit for storing a product, a grinder effective for grinding the product into a particulate product, an identification device configured to identify the size of the collection unit and dispensing the particulate product based upon the size of the collection unit identified, wherein the identification device comprises a fastener which fastens the collection unit during dispensing of the particulate product, and the grinder comprises a set of conic knives including a funnel-shaped outer conic knife and an inner cone-shaped inner conic knife.

32. (New) The automatic dosage unit according to claim 31, wherein the dosage unit further comprises a memory unit configured to store information for identification of different sizes of collection units and amount of product dispensed.

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33. (New) The automatic dosage unit according to claim 31, wherein the dosage unit further comprises a closing device located between the storage unit and an inlet to the set of conic knives.

34. (New) The automatic dosage unit according to claim 31, wherein the closing device comprises at least one opening and at least one blocking device, wherein the blocking device is configured to vary the size of the opening so that the closing device can dispense different amounts of the particulate product.